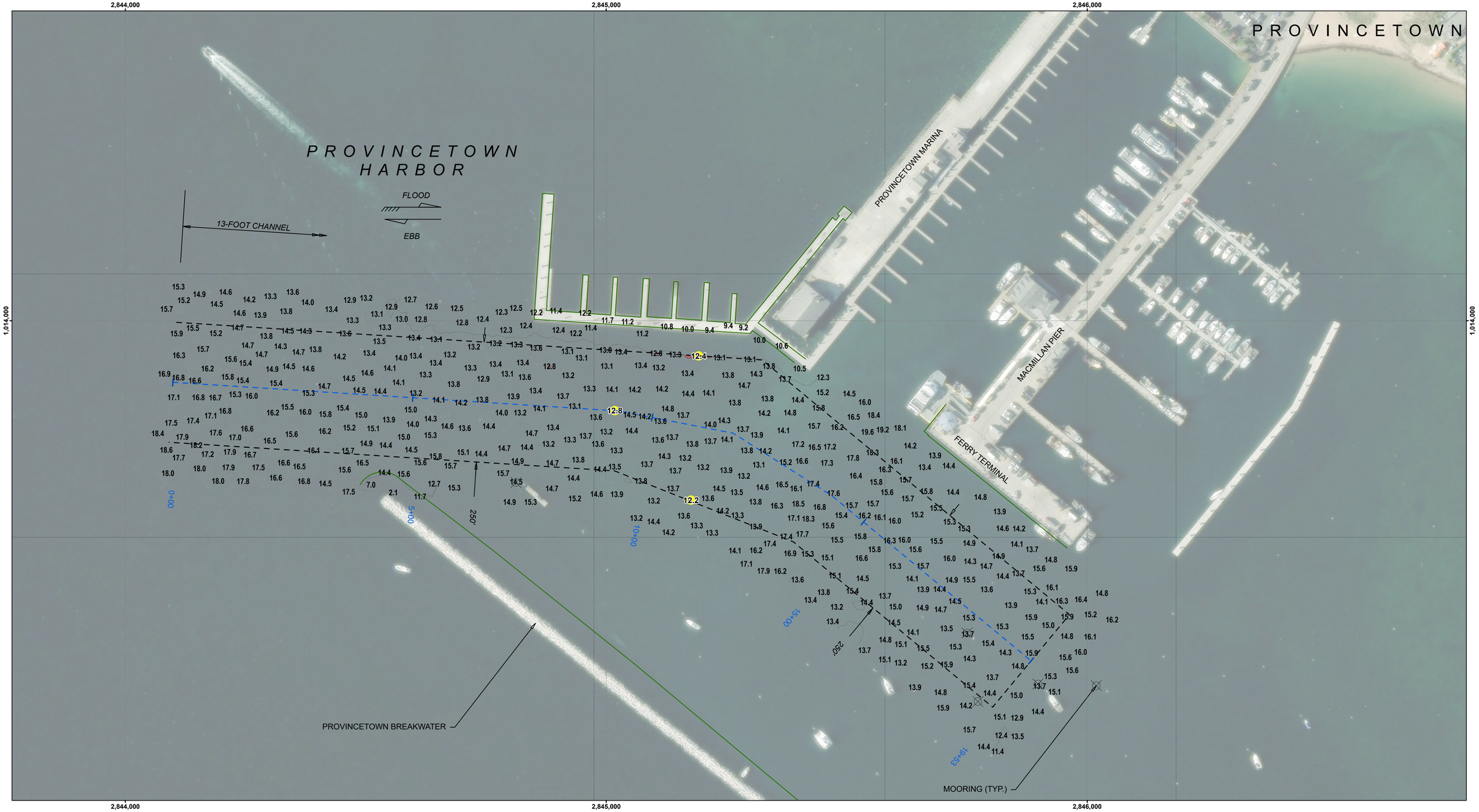
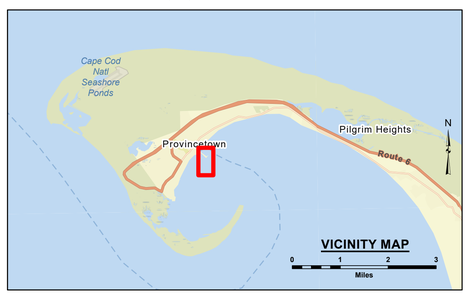




LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable/Pipeline Area
- Contour Line
- Marine Infrastructure *
- Fixed Navigation Aids
- Red Navigation Buoy
- Green Navigation Buoy
- Junction Buoy
- Shoaling Area
- Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Hydrographic Survey

GRAPHIC SCALE

100 0 100 200

1" = 100' Feet

W S N E

Notes:

Horizontal Datum: Mass Mainland, MA-2001 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: KEEGAN
Sonar System: Reson T50 (Multibeam Sonar)
Sounding Frequency: 400 kHz
Survey Method: RTK GPS Tides
GPS_System: Trimble SPS 855 (RTK)
RTK Base Station: TIDE 6121 C (2010)
Software Used: Hypack
Sounding Sort Distance: 30'
Field Books: R&H 4984
Survey No.: MA_41_PVC_20241001_CS_083
Reference NOAA Chart No.: ENC-US5MA1LQ, US4MA14M

The information depicted on these charts represents the results of surveys made on the dates indicated, and can only be considered as indicating the conditions existing at that time.

General Notes

The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during October 2024. The positions of aids to navigation were located during survey operations, are provided for information only and should not be used for navigation. Orthoimagery is from a variety of sources and dates and is intended to portray general characteristics of the shoreline and other features. Temporal changes may have occurred since this dataset was collected and some parts may no longer be an accurate representation of the conditions. The information depicted on this map should NOT be used to determine volumes as volumes are determined from more sounding information than shown.

Project Remarks

Marine infrastructure surveyed by topographic methods. Mooring locations marked, no floating aids to navigation present.

Water Level Information

Tides were recorded using RTK GPS. NAVD88 to MLLW corrections were logged utilizing NOAA's V-Datum regional model Maine/New Hampshire/Massachusetts Version 2.3. The corrections in the project area is 5.46 feet. MLLW is below NAVD88; therefore, the correction should be added to NAVD88 to convert to MLLW (e.g.-10 NAV88 = -8 MLLW when using a 2-foot correction).

US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SURVEYED BY: NCD
CHECKED BY: BTM
ISSUE DATE: 10/3/2024
SIZE: ANSI D
MAP DOCUMENT: MA_41_PVC_20241001_CS_083

PROVINCETOWN HARBOR
PROVINCETOWN, MASSACHUSETTS
CONDITION SURVEY

13-FOOT CHANNEL

File Name: MA_41_PVC_20241001_CS_083

SHEET IDENTIFICATION
Provincetown Harbor
Sheet 1 of 1

Revision Number: 5.23.12.3-5.23.12.3